

Contents of *Aquaculture*, Volume 154

VOL. 154 NO. 1

15 JULY 1997

Diseases, Parasites and Predators

Prevention of stress in rainbow trout (*Oncorhynchus mykiss*) fed diets containing different doses of glucan

G. Jeney (Szarvas, Hungary), M. Galeotti, D. Volpatti (Pagnacco, Italy), Z. Jeney (Szarvas, Hungary) and D.P. Anderson (Seattle, WA, USA) 1

Potential probiotic strains in the culture of the Chilean scallop *Argopecten purpuratus* (Lamarck, 1819)

C. Riquelme, R. Araya, N. Vergara, A. Rojas, M. Guaita and M. Candia (Antofagasta, Chile) 17

Post-vaccination intra-abdominal adhesions as a marker to identify Atlantic salmon, *Salmo salar* L., escaped from commercial fish farms

R.A. Lund (Trondheim, Norway), P.J. Midtlyng (Oslo, Norway) and L.P. Hansen (Trondheim, Norway) 27

Genetics and Breeding

Genetic implications of broodstock selection for crayfish aquaculture in the Midwestern United States

J.W. Fetzner Jr., R.J. Sheehan and L.W. Seeb (Carbondale, IL, USA) 39

Nutrition

Energy budget of Nile tilapia (*Oreochromis niloticus*) in relation to ration size

S. Xie, Y. Cui, Y. Yang and J. Liu (Wuhan Hubei, People's Republic of China) 57

Low-cost feed for *Penaes monodon* reared in tanks and under semi-intensive and intensive conditions in brackishwater ponds

O.M. Millamena and A.T. Triño (Iloilo, Philippines) 69

Technical Note

Growth and production of Indian river prawn *Macrobrachium malcolmsonii*. (H. Milne Edwards) under pond conditions

D.R. Kanaujia, A.N. Mohanty and S.D. Tripathi (Orissa, India) 79

Book Reviews

FishBase 96. 87

Aquaculture in world fisheries 89

VOL. 154 NO. 2

30 JULY 1997

Diseases, Parasites and Predators

The efficacy of lipopolysaccharide mixed chloroform-killed cell (LPS-CKC) bacterin of *Pasteurella piscicida* on Yellowtail, *Seriola quinqueradiata*

H. Kawakami (Uwajima, Japan), N. Shinohara (Tobe, Japan), Y. Fukuda (Kamiura, Japan), H. Yamashita, H. Kihara (Uwajima, Japan) and M. Sakai (Miyazaki, Japan) 95

- Isolation of *Vibrio* spp. from *Penaeus monodon* (Fabricius) with red disease syndrome
E.V. Alapide-Tendencia and L.A. Dureza (Iloilo, Philippines) 107

Genetics and Breeding

- Genetic and environmental variation of female reproductive traits in rainbow trout (*Oncorhynchus mykiss*)
G.-S. Su, L.-E. Liljedahl (Uppsala, Sweden) and G.A.E. Gall (Davis, CA, USA) 115

Nutrition

- Introduction of detrital food webs into an aquaculture system by supplying single cell algal detritus produced from *Laminaria japonica* as a hatchery diet for *Artemia* nauplii
M. Uchida, K. Nakata (Yokohama, Japan) and M. Maeda (Hiroshima, Japan) 125
- Effects of broodstock diets on fatty acid composition, survival and growth rates in larvae of the European flat oyster, *Ostrea edulis*
K.M. Berntsson, P.R. Jonsson (Strömstad, Sweden), S.Å. Wängberg and A.S. Carlsson (Göteborg, Sweden) 139

Physiology and Endocrinology

- Chronic ammonia toxicity in juvenile turbot (*Scophthalmus maximus*)
J. Person-Le Ruyet, R. Galland, A. Le Roux and H. Chartois (Plouzané, France) 155

Technical Note

- An empirical model for predicting degradation of organic solids in fish culture systems based on short-term observations
J. Van Rijn and A. Nussinovitch (Rehovot, Israel) 173

Book Reviews

- Principles of salmonid culture 181
- Pacific salmon and their ecosystems 184

- Books Received 187

VOL. 154 NO. 3, 4

18 AUGUST 1997

- Depletion study of fenbendazole in rainbow trout (*Oncorhynchus mykiss*) after oral and bath treatment
E.G. Iosifidou, N. Haagsma (Utrecht, The Netherlands), M.W.T. Tanck, J.H. Boon (Wageningen, The Netherlands) and M. Olling (Bilthoven, The Netherlands) 191
- Egg, larval, and fingerling traits of crosses among striped bass (*Morone saxatilis*), white bass (*M. chrysops*), and their F1 hybrids
B.G. Bosworth, G.S. Libey and D.R. Notter (Blacksburg, VA, USA) 201
- Genetic parameters for return rate and body weight of sea-ranched Atlantic salmon
J. Jónasson (Reykjavik, Iceland), B. Gjerde and T. Gjerdem (Ås, Norway) 219
- Growth, mortality and recruitment pattern of the brown mussel, *Modiolus metcalfei* (Bivalvia: Mytilacea), in Panguil Bay, Southern Philippines
M.I. Tumanda Jr., H.T. Yap, L.T. McManus (Quezon City, Philippines), J.A. Ingles (Iloilo, Philippines) and M.G. López () 233
- Comparative study of continuous and static water renewal strategies in the larviculture of *Penaeus paulensis* (Pérez Farfante, 1967) associated with high stocking densities and different water renewal rates
L. Vinatea and E.R. Andreatta (Florianópolis, Brazil) 247
- Rice-fish culture: feeding, growth and yield of two size classes of *Puntius gonionotus* Bleeker and *Oreochromis* spp. in Bangladesh
A.K.Y. Haroon and K.A. Pittman (Bergen, Norway) 261

Available phosphorus requirements of food-size channel catfish (<i>Ictalurus punctatus</i>) fed practical diets in ponds J.C. Eya and R.T. Lovell (Auburn, AL, USA)	283
Growth and fatty acid composition of Pacific oyster (<i>Crassostrea gigas</i>) spat fed a spray-dried freshwater microalga (<i>Spongiococcum excentricum</i>) and microencapsulated lipids J. Knauer and P.C. Southgate (Townsville, Qld., Australia)	293
Evaluation of freeze-dried microalgal diets for the seed culture of <i>Ruditapes decussatus</i> using physiological and biochemical parameters M. Albentosa, A. Pérez-Camacho (La Coruña, Spain), U. Labarta and M.J. Fernández-Reiriz (Vigo, Spain).	305
Influence of differential movement of the marker chromic oxide and nutrients on digestibility estimations in the Australian freshwater crayfish <i>Cherax destructor</i> P.L. Jones and S.S. De Silva (Warrnambool, Victoria, Australia)	323
Objective analysis of sperm motility in the lake sturgeon, <i>Acipenser fulvescens</i> : activation and inhibition conditions G.P. Toth (Cincinnati, OH, USA), A. Ciereszko (Columbus, OH, USA; Olsztyn-Kortowo, Poland), S.A. Christ (Cincinnati, OH, USA) and K. Dabrowski (Columbus, OH, USA)	337
Induction of spawning in gilthead seabream, <i>Sparus aurata</i> L., by a long-acting GnRH agonist and its effects on egg quality and daily timing of spawning A. Barbaro, A. Francescon, G. Bozzato, A. Merlin (Venezia, Italy), P. Belvedere and L. Colombo (Padova, Italy)	349
Announcement	360
Contents of <i>Aquaculture</i>, Volume 154	361